



California State Fire Marshal  
National Fire Incident Reporting System

Data as of: 07/01/2009 3:11:22PM

Incident Date Range:  
01/01/2008 to 12/31/2008

FDID Range:  
0 to No Upper Bound

Incident Type:  
130 to No Upper Bound

### Vehicle Fires By Cause

<u>Incident Year</u>	<u>Primary Factor Contributing To Ignition</u>	<u>Incident Count</u>	<u>Property Losses</u>	<u>Contents Losses</u>	<u>Fire Service Injuries</u>	<u>Fire Service Deaths</u>	<u>Civilian Injuries</u>	<u>Civilian Deaths</u>
2008	Abandoned or discarded materials or products	1,523	\$56,902,093	\$160,967	1	0	5	0
	Accidentally turned on, not turned off	10	\$8,400	\$6,500	0	0	0	0
	Agriculture or land management burns	33	\$35,001	\$1	0	0	0	0
	Animal	24	\$81,050	\$5,521	0	0	0	0
	Arc from faulty contact, broken conductor	50	\$259,450	\$55,151	0	0	0	0
	Arc, spark from operating equipment	121	\$445,201	\$50,856	0	0	0	0
	Automatic control failure	26	\$57,836	\$2,825	0	0	0	0
	Backfire	119	\$374,966	\$15,487	0	0	0	0
	Collision, knock down, run over, turn over	234	\$2,474,523	\$146,277	1	0	5	15
	Construction deficiency	3	\$15,160	\$0	0	0	0	0
	Cutting, welding too close to combustible	137	\$1,183,982	\$91,784	1	0	1	0
	Design deficiency	10	\$30,000	\$51	0	0	0	0
	Design/Manufacture/Installation Deficiency, other	14	\$32,600	\$35,200	0	0	0	0
	Earthquake	1	\$0	\$0	0	0	0	0
	Electrical failure, malfunction, other	926	\$4,814,460	\$10,603,538	0	0	0	0
	Equipment not being operated properly	70	\$366,701	\$50,351	0	0	1	0
	Equipment overloaded	26	\$82,401	\$16,301	0	0	0	0
	Equipment unattended	44	\$232,000	\$6,252	0	0	0	0
	Equipment used for not intended purpose	18	\$187,601	\$251,001	0	0	0	0
	Exposure fire	631	\$5,340,953	\$1,044,733	2	0	2	2
	Failure to clean	82	\$342,920	\$8,086	0	0	0	0

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	Fire spread or control, other	124	\$611,007	\$112,752	0	0	0	0
	Flammable liquid or gas spilled	259	\$1,757,183	\$277,604	0	0	1	1
	Flammable liquid used to kindle fire	221	\$1,919,242	\$164,343	0	0	1	0
	Fluorescent light ballast	1	\$0	\$0	0	0	0	0
	Heat source too close to combustibles.	661	\$1,645,437	\$264,715	0	0	3	1
	High water including floods	1	\$0	\$0	0	0	0	0
	High wind	161	\$632,950	\$509,800	0	0	0	0
	Improper container or storage	93	\$321,835	\$168,995	0	0	0	0
	Improper fuel used	3	\$1,200	\$0	0	0	0	0
	Improper fueling technique	28	\$51,900	\$9,550	0	0	5	0
	Improper startup	14	\$9,000	\$3,100	0	0	0	0
	Installation deficiency	36	\$44,275	\$3,601	0	0	0	0
	Leak or break	928	\$5,647,160	\$1,140,025	0	0	5	1
	Manual control failure	19	\$75,350	\$4,450	0	0	0	0
	Manufacturing deficiency	7	\$38,000	\$100	0	0	0	0
	Mechanical failure, malfunction, other	1,994	\$13,358,852	\$4,404,358	1	0	3	1
	Misuse of material or product, other	680	\$1,984,726	\$155,808	0	0	1	1
	Natural condition, other	209	\$1,280,485	\$604,980	2	0	0	0
	None	8,707	\$126,963,517	\$437,342,502	6	0	21	9
	Operational deficiency, other	123	\$302,377	\$134,373	0	0	0	0
	Other factor contributed to ignition	1,092	\$8,321,625	\$1,156,507	1	0	1	6
	Outside/open fire for debris or waste disposal	262	\$45,485	\$10,605	0	0	0	0
	Outside/open fire for warming or cooking	114	\$8,400	\$1,026	0	0	1	0
	Playing with heat source	341	\$486,999	\$66,059	0	0	1	0
	Rekindle	112	\$29,103	\$1,501	0	0	0	0
	Short circuit arc from defective, worn insulation	170	\$555,333	\$28,371	0	0	1	0
	Short circuit arc from mechanical damage	121	\$343,370	\$30,501	0	0	0	0

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	Storm	37	\$23,251	\$1,501	0	0	0	0
	Undetermined	5,862	\$38,807,841	\$10,433,745	2	0	6	4
	Unspecified short-circuit arc	438	\$2,028,570	\$190,849	0	0	0	0
	Volcanic action	4	\$8,000	\$1,000	0	0	0	0
	Washing part, painting with flammable liquid	2	\$3,000	\$0	0	0	2	0
	Water caused short-circuit arc	37	\$59,900	\$18,052	0	0	0	0
	Worn out	268	\$650,943	\$370,927	1	0	1	0
<b>2008</b>	<b>Total</b>	<b>27,231</b>	<b>\$281,283,614</b>	<b>\$470,162,582</b>	<b>0</b>	<b>0</b>	<b>67</b>	<b>41</b>
	<b>Grand Total</b>	<b>27,231</b>	<b>\$281,283,614</b>	<b>\$470,162,582</b>	<b>18</b>	<b>0</b>	<b>67</b>	<b>41</b>

The data contained in this report comes from the State Fire Marshal's California All Incident Reporting System (CAIRS) data warehouse. Property and contents loss figures, if included herein, are estimates only. These emergency incident statistics, including injury and death counts, are based only upon information submitted to the State Fire Marshal by participating California fire departments. Please note that apparent variations in incident counts and associated losses shown in this report may be solely due to fluctuations in the amount of data submitted to the State Fire Marshal. And while the incoming data is validated according to logical data rules, individual data elements are not always verified for accuracy.